

## Reception Science progression document

(Working Scientifically) Characteristics of learning/Creative and thinking critically:								
Early Years (Nursery and Reception):								
<ul> <li>show curiosity and ask questions</li> <li>make observations using their senses and simple equipment</li> <li>make direct comparisons</li> <li>use equipment to measure</li> <li>record their observations by drawing, taking photographs, using sorting rings or boxes and, in Reception, on simple tick sheets</li> <li>use their observations to help them to answer their questions</li> <li>talk about what they are doing and have found out</li> </ul>								
•identify, sort and group.								
Working Scientifically Vocabulary:								
What can you see? What does it sound like? What does it smell like?								
What does it taste like? What does it feel like? What does it do? What is happening?								
How did it happen? What have we found out? What will happen if?								

Spring 1

Spring 2

Summer 1

Summer 2

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Autumn 1

Autumn 2

Seasonal change:	Seasonal change:	Natural world:	Seasonal change:	Plants and animals:	Seasonal change:
(Autumn)	(Winter)	ELG - Understand	(Spring)	ELG - Know some	(Summer)
Explore the natural	Explore the natural	some important	Explore the natural	similarities and	ELG- Explore the
world around them.	world around them.	processes and	world around them.	differences	natural world
		changes in the		between the	around them,
Understand the	Understand the	natural world	Understand the	natural world	making
effect of the natural	effect of the natural	around them,	effect of the natural	around them and	observations and
world around them.	world around them.	including changing states of matter.	world around them.	contrasting environments,	drawing pictures of animals and plants.
Describe what they	Describe what they		Describe what they	drawing on their	
see, hear and feel	see, hear and feel		see, hear and feel	experiences and	ELG – Understand
whilst outside.	whilst outside.		whilst outside.	what has been	some important
				read.	processes and
	Plants and animals:		Plants and animals		changes in the
	ELG - Know some		ELG – Explore the		natural world
	similarities and		natural world		around them,
	differences		around them,		including the
	between the		making		seasons and
	natural world		observations and		changing states of
	around them and		drawing pictures of		matter.
	contrasting		animals and plants.		
	environments,				Understand the
	drawing on their				effect of the natural
	experiences and				world around them.
	what has been				
	read.				Describe what they
					see, hear and feel
					whilst outside.

Seasons	Seasons	Environment	Seasons	Environment	Seasons
Autumn	Winter	Changes	Spring	Similar	Summer
Signs of Autumn	Signs of Winter	Similar	Signs of Spring	Different	Signs of Summer
Changes	Changes	Different	Changes	Compare	Changes
Weather	Weather		New life	Contrast	Temperature
Temperature	Temperature		Temperature		Weather
Sunshine	Frost		Weather		changes
Rain	Sleet		changes		Sunshine
Windy	Snow		Sunshine		Senses (see, hear,
Cloudy	Rain		Rain		touch, smell, taste)
Warmer/cooler	Windy		Windy		
Environment	Cloudy		Senses (see, hear,		
Senses (see, hear,	Senses (see, hear,		touch, smell, taste)		
touch, smell, taste)	touch, smell, taste)				
			Seed		
	Similar		Plant		
	Different		Grow		
	Environment		Care		
			Water		
			Soil		
			Sunlight		